

**SEARCH REQUEST FORM** Scientific and Technical Information Center - EIC2800  
 Rev. 3/15/2004 This is an experimental format -- Please give suggestions or comments to Jeff Harrison, JEF-4B68, 272-2511.

Date <u>10/3/05</u>	Serial # <u>101811,907</u>	Priority Application Date _____
Your Name <u>M. Lewis</u>	Examiner # _____	
AU <u>3888</u>	Phone <u>979-1838</u>	Room <u>5A30</u>
In what format would you like your results? Paper is the default.		
<input checked="" type="radio"/> PAPER <input type="radio"/> DISK <input type="radio"/> EMAIL		

If submitting more than one search, please prioritize in order of need. *Need before 11/9*

The EIC searcher normally will contact you before beginning a prior art search. If you would like to sit with a searcher for an interactive search, please notify one of the searchers.

Where have you searched so far on this case? *11-01-05 A39:52 IN*

Circle:  USPTO  DWPI  EPO Abs  JPO Abs  IBM TDB

Other: \_\_\_\_\_

What relevant art have you found so far? Please attach pertinent citations or Information Disclosure Statements. \_\_\_\_\_

What types of references would you like? Please checkmark:

Primary Refs  Nonpatent Literature \_\_\_\_\_ Other \_\_\_\_\_  
 Secondary Refs  Foreign Patents \_\_\_\_\_  
 Teaching Refs \_\_\_\_\_

What is the topic, such as the novelty, motivation, utility, or other specific facets defining the desired focus of this search? Please include the concepts, synonyms, keywords, acronyms, registry numbers, definitions, structures, strategies, and anything else that helps to describe the topic. Please attach a copy of the abstract and pertinent claims.

*Claims 1-19*

*Problem seen pages 1-4  
 Solutions " 11-4-9*

*RF isolation*

if Use Only	Type of Report:	Vendors:
Author: <u>CODE FACILITY</u>	Minutiae (M)	BNIN _____
Author Phone: <u>22541</u>	Micrography _____	Display _____
Author Location: <u>BTIC LIBRARY</u>	Diffusion _____	Quartz/Orbit _____
• Searcher Picked Up: <u>11-2-05</u>	Patent _____	Lexis-Nexis _____
• Completed: <u>11-2-05</u>	Patent Pending _____	WWW _____
Searcher Prep/Rev Time: <u>35</u>	Other _____	Other _____
Time: <u>200</u>		

Set	Items	Description
S1	7269249	S SEMI()CONDUCTOR? OR WAFER? ? OR SUBSTRATE? ? OR IC? ? -OR CIRCUIT? OR SEMICONDUCTOR? OR CHIP? ?
S2	1655773	S BURIED OR BURY- JR HIDE OR CONCEAL? OR SUPPRESS?
S3	371976	S (ISOLAT? OR SEPARAT?) (3N) (LAYER? OR SECTION? OR PORTION? OR SEGMENT? OR PART?????)
S4	191920	S (LOW OR SMALL OR LITTLE) (3N) (RESISTANCE OR RESISTIVIT?)
S5	14299	S (GUARD? OR INSULAT?) (3N) RING?
S6	2099	S (RF? ? OR RADIO() FREQUENC?) (3N) ISOLAT?
S7	37372	S MESA? ?
S8	3707	S S1 (3N)S7
S9	1	S S8 AND S5 AND S6
S10	1	S S7 AND S5 AND S6
S11	11262	S S2 AND S3
S12	34	S S11 AND S8
S13	0	S S12 AND (S5 OR S6)
S14	128	S S11 AND S7
S15	0	S S14 AND (S5 OR S6)
S16	9	S S5 AND S6
S17	8	S S16 NOT S10
S18	6	RD (unique items)
S19	34	S S8 AND S11
S20	29	RD (unique items)
S21	0	S S5 AND S20
S22	29	S S20 NOT RING?
S23	0	S S22 AND S6
S24	4197316	S RESISTANC? OR RESISTIVIT?
S25	181	S S4 AND S5
S26	0	S S25 AND S6
S27	17	S S25 AND ISOLAT?
S28	17	RD (unique items)
S29	17	S S28 NOT (S10 OR S18)
S30	12	S S6 AND S7
S31	9	S S30 AND S1
S32	4	RD (unique items)
S33	3	S S30 NOT S31
S34	1	RD (unique items)
S35	181	S7 AND (S5 OR S6) FROM 2, 6, 8, 25, 34, 36, 65, 92, 94, 95, 99, 103, 104,
144, 239,	434, 647, 315, 347, 350, 31, 248, 23, 46, 68, 60, 33, 335, 294, 954, 953	181 S7 AND (S5 OR S6)
S36	151	S S36 AND S1
S37	0	S S37 AND (S3 OR S4)
S39	20	S S37 AND PD<=20040326

? show files

[File 2] INSPEC 1898-2005/Oct W4

(c) 2005 Institution of Electrical Engineers. All rights reserved.

\*File 2: Archive data back to 1898 has been added to File 2.

[File 6] NTIS 1964-2005/Oct W4

(c) 2005 NTIS, Intl Cpyrght All Rights Res. All rights reserved.

[File 8] Ei Compendex(R) 1970-2005/Oct W4

(c) 2005 Elsevier Eng. Info. Inc. All rights reserved.

[File 25] Weldasearch-19662005/Sep (c) 2005 TWI Ltd

All rights reserved.

[File 34] **SciSearch(R) Cited Ref Sci** 1990-2005/Oct W4  
(c) 2005 Inst for Sci Info. All rights reserved.

[File 36] **MetalBase** 1965-20051031  
(c) 2005 The Dialog Corporation. All rights reserved.

[File 65] **Inside Conferences** 1993-2005/Oct W5  
(c) 2005 BLDSC all rts. reserv. All rights reserved.

[File 92] **IHS Intl.Stds.& Specs.** 1999/Nov  
(c) 1999 Information Handling Services. All rights reserved.

[File 94] **JICST-EPlus** 1985-2005/Aug W4  
(c) 2005 Japan Science and Tech Corp(JST). All rights reserved.

[File 95] **TEME-Technology & Management** 1989-2005/Sep W4  
(c) 2005 FIZ TECHNIK. All rights reserved.

*\*File 95: Customers in Germany, Austria, and Switzerland should contact their local Dialog representative.*

[File 99] **Wilson Appl. Sci & Tech Abs** 1983-2005/Sep  
(c) 2005 The HW Wilson Co. All rights reserved.

[File 103] **Energy SciTec** 1974-2005/Sep B1  
(c) 2005 Contains copyrighted material. All rights reserved.  
*\*File 103: For access restrictions see Help Restrict.*

[File 104] **AeroBase** 1999-2005/Oct  
(c) 2005 Contains copyrighted material. All rights reserved.

[File 144] **Pascal** 1973-2005/Oct W4  
(c) 2005 INIST/CNRS. All rights reserved.

[File 239] **Mathsci** 1940-2005/Dec  
(c) 2005 American Mathematical Society. All rights reserved.

[File 434] **SciSearch(R) Cited Ref Sci** 1974-1989/Dec  
(c) 1998 Inst for Sci Info. All rights reserved.

[File 647] **CMP Computer Fulltext** 1988-2005/Oct W3  
(c) 2005 CMP Media, LLC. All rights reserved.

[File 315] **ChemEng & Biotec Abs** 1970-2005/Oct  
(c) 2005 DECHEMA. All rights reserved.

[File 347] **JAPIO** Nov 1976-2005/Jun(Updated 051004)  
(c) 2005 JPO & JAPIO. All rights reserved.

[File 350] **Derwent WPIX** 1963-2005/UD,UM &UP=200570  
(c) 2005 Thomson Derwent. All rights reserved.

*\*File 350: For more current information, include File 331 in your search. Enter HELP NEWS 331 for details.*

**[File 31] World Surface Coatings Abs** 1976-2005/Oct  
(c) 2005 PRA Coat. Tech. Cen. All rights reserved.

**[File 248] PIRA** 1975-2005/Oct W3  
(c) 2005 Pira International. All rights reserved.

**[File 23] CSA Technology Research Database** 1963-2005/Oct  
(c) 2005 CSA. All rights reserved.

**[File 46] Corrosion Abstracts** 1966-2005/Oct  
(c) 2005 CSA. All rights reserved.

**[File 68] Solid State & Superconductivity Abstracts** 1966-2005/Oct  
(c) 2005 CSA. All rights reserved.

**[File 60] ANTE: Abstracts in New Tech & Engineer** 1966-2005/Oct  
(c) 2005 CSA. All rights reserved.

**[File 33] Aluminium Industry Abstracts** 1966-2005/Oct  
(c) 2005 CSA. All rights reserved.

**[File 335] Ceramic Abstracts/World Ceramics Abstracts** 1966-2005/Oct  
(c) 2005 CSA. All rights reserved.

**[File 294] ONTAP(R) SciSearch(R) Cited Ref Science**  
(c) 1991 Inst for Sci Info. All rights reserved.

**[File 954] Ei EnCompassLit(TM)** 1965-2005/Oct W5  
(c) 2005 Elsevier Eng. Info. Inc. All rights reserved.

*\*File 954: For disclaimer, type HELP NEWS 954. Alert feature enhanced for multiple files, etc. See HELP ALERT.*

**[File 953] Ei EnCompassPat(TM)** 1964-200543  
(c) 2005 Elsevier Eng. Info. Inc. All rights reserved.

*\*File 953: Alert feature enhanced for multiple files, duplicate removal, customized scheduling. See HELP ALERT.*

----- 11/2/05 10/811,207

02nov05 16:19:14 User259284 Session D3391.2

File 2:INSPEC 1898-2005/Oct W4  
(c) 2005 Institution of Electrical Engineers

Set	Items	Description
S1	93053	RF OR RADIO()FREQUENC????
S2	64547	R()F OR RADIOFREQUENC???????
S3	48437	S2 NOT S1
S4	1481	(INSULAT????? OR PROTECT????? OR GUARD?????) (1N)RING????
S5	44	GUARDRING?
S6	4575	MESA OR MESAS
S7	4129	(EMBED????? OR IMBED????? OR BURY???? OR BURIE??? OR BURIAL???) (3N) (INSULAT????? OR OXIDE? ? OR DIELEC?????)
S8	21	S4:S5 AND S6
S9	3	S4:S5 AND S7
S10	52	S4:S5 AND S1:S2
S11	0	8AND9
S12	0	8AND10
S13	0	9AND10
S14	0	S8:S10 AND SEMICONDUCT?????(5N) (MESA OR MESAS)
S15	32	S8:S10 AND SEMICONDUCT???????
S16	18	S8:S10 AND (TRANSISTOR? OR MOSFET?)
S17	39	S15:S16
S18	1	S17 AND BURIED
S19	19	S17 AND MESA
S20	0	S19/2004-2005
S21	13	S19 AND RING
S22	19	S19 AND GUARD?????
S23	1	S19 AND GUARDRING?
S24	13	21AND22
S25	19	S18 OR S21 OR S22 OR S23
S26	0	S1:S2 AND S25
S27	0	RADIO???? AND S25
S28	0	FREQUENC???? AND S25
S29	0	RADIO AND S25
S30	0	WAVE AND S25
S31	0	RADIOWAVE AND S25
S32	1	WAVELENGTH AND S25
S33	0	NOIS?? AND S25
S34	0	S25 AND SEMICOND????????/TI
S35	19	S25 AND MESA?????
S36	2	S25 AND MESA????/TI
S37	0	S35 AND INTERFER???????
S38	0	S35 AND EMI
S39	11	NOIS??? AND GUARDRING?
S40	118	NOIS??? AND GUARD()RING?
S41	1	S39:S40 AND MESA?????
S42	13954	CROSSTALK? OR CROSS()TALK?????
S43	39	S42 AND GUARD()RING?
S44	1	S42 AND GUARDRING?
S45	2	S43:S44 AND MESA??????

ds  
Set Items Description  
S1 183 AU=(YUE C? OR YUE, C ? OR SEEFELEDT J? OR SEEFELEDT, J?) FROM 347, 350, 348, 349  
S2 1952 S (RF? ? OR RADIO()FREQUENC?)(3N)ISOLAT?  
S3 13812 S (GUARD? OR INSULAT?)(3N)RING?  
S4 5 S S1 AND S2 AND S3  
S5 5 IDPAT (sorted in duplicate/non-duplicate order)  
S6 5 IDPAT (primary/non-duplicate records only)  
S7 30431 S IC=(H01L-021/76 OR H01L-029/732)  
S8 9729 S IC=(H01L-021/762 OR H01L-021/765 OR H01L-029/94)  
S9 1989 S MC=U11-C08  
S10 39259 S S7 OR S8 OR S9  
S11 6 S S10 AND S2 AND S3  
S12 2 S S11 NOT S4  
S13 16 S S10 AND S1  
S14 4 S S13 AND (S2 OR S3)  
S15 0 S S14 NOT (S6 OR S12)

? show files

[File 347] JAPIO Nov 1976-2005/Jun(Updated 051004)

(c) 2005 JPO & JAPIO. All rights reserved.

[File 350] Derwent WPIX 1963-2005/UD,UM &UP=200570

(c) 2005 Thomson Derwent. All rights reserved.

\*File 350: For more current information, include File 331 in your search. Enter HELP NEWS 331 for details.

[File 348] EUROPEAN PATENTS 1978-2005/Oct W04

(c) 2005 European Patent Office. All rights reserved.

[File 349] PCT FULLTEXT 1979-2005/UB=20051027,UT=20051020

(c) 2005 WIPO/Univentio. All rights reserved.